

ABSTRACT

A flame simulating assembly for providing a three-dimensional image of flames formed by fluctuating light. The flame simulating assembly has a simulated fuel bed, a light source, and a screen disposed behind the simulated fuel bed for diffusing and transmitting light. The screen includes a conoid concavity positioned adjacent to the simulated fuel bed. The flame simulating assembly also includes a flicker element for creating the fluctuating light, the flicker element being positioned in a path of light between the light source and the screen. The fluctuating light is transmitted through the screen and attenuated to form the three-dimensional image of flames.

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